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ABSTRACT OF THE DISCLOSURE

A component of a member of a test species that deleteriously affects a target species that is a parasite of an adjainer species is identified by a method including the steps of (a) selecting the test species from among test species that are attached or internal to a member of the adjainer species whom was exposed to the target species but did not react adversely thereto as did other exposed members of the adjainer species; (b) separating at least one member of the selected test species into a plurality of components; (c) exposing at least some of the separated components of the member(s) of the test species separately to members of the target species; and (d) examining such exposures to determine for such identification whether members of the target species have been deleteriously affected by such exposures. The test species may be a symbiont or a traditional food source of the adjainer species.

A product including such a test-species component identified as deleteriously affecting members of a target species and/or an equivalent of the identified component is manufactured either by separating the identified component in bulk quantities from members of the test species or by synthesizing the identified component and/or an equivalent of the identified component in bulk quantities. The product is tested to determine the extent of any deleterious effect upon the adjainer species and the extent of the deleterious effect of the product upon the target species. The method of manufacturing the product may further include modifying the product to decrease any deleterious effect upon the adjainer species and/or modifying the product to increase the deleterious effect upon the target species.